

DERWENT-ACC-NO: 2003-073129 ≈ KR2002058760A

DERWENT-WEEK: 200307

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Traffic management system and method for internet
traffic engineering

INVENTOR: HAN, H S; KIM, H S ; MUN, H G

PATENT-ASSIGNEE: KT CORP[KTKTN]

PRIORITY-DATA: 2000KR-0086890 (December 30, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
KR 2002058760 A	July 12, 2002	N/A	001	H04L 012/24

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
KR2002058760A	N/A	2000KR-0086890	December 30, 2000

INT-CL (IPC): H04L012/24

ABSTRACTED-PUB-NO: KR2002058760A

BASIC-ABSTRACT:

NOVELTY - A traffic management system and method for Internet traffic engineering is provided to calculate the load stability value of a safe operating point in a network, satisfying the target value of a parameter indicating the state of the network, through modeling and analysis using measured traffic data and to monitor the state of the present network using the calculated value.

DETAILED DESCRIPTION - An Internet traffic management system(100) consists of a



traffic measurement part(110), a modeling and analysis part(120), and an optimization part(130). The traffic measurement part(110) measures the actual traffic of the present network(50), extracts traffic data, and calculates a value for each QoS measuring item determined according to a network operation policy. The modeling and analysis part(120), based on the traffic data measured by the traffic measurement part(110), **determines a point** satisfying a preset target value for each QoS measuring item as a safe operating point and calculates a load stability value, a load value in the safe operating point. The optimization part(130) monitors the state of the present network using the calculated load stability value, checks whether the present load value exceeds the load stability value, and manages link capacity according to a monitored result.

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: TRAFFIC MANAGEMENT SYSTEM METHOD TRAFFIC
ENGINEERING

DERWENT-CLASS: W01

EPI-CODES: W01-A06A;